

Rat Tight junction protein 1 (ZO1) ELISA Kit

Catalog No: #EK11689



Package Size: #EK11689-1 48T #EK11689-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Rat Tight junction protein 1 (ZO1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	DKFZp686M05161; MGC133289; ZO-1; tight junction protein 1 tight junction protein ZO-1 zona occludens 1 zonula occludens 1 protein
Accession No.	O97758
Uniprot	O97758
GenID	403752;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.054 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ZO1 in samples. An antibody specific for ZO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyZO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZO1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ZO1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tight junction protein ZO-2 is a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Two transcript variants encoding distinct isoforms haveP?Λ ?

Note: This product is for in vitro research use only